Fine Quarries Add Much to Wealth of the State.

In listing the resources and industries of Utah, the old scheme of "counting on one's fingers" is useless, but were this method employed one of the first and longest fingers might well be designated "quarrying." Nearly every sort of rock, stone or clay is found in sort of rock, stone or clay is found in sort of rock, stone or clay is found in the building the resources and industries and in particular and the demand thus created with that of the cement in thus created with thus to the industries and in particular and industries and industri sort of rock, stone or clay is found in the hills of this state. Owing to an unusual activity in building circles The Utah Marble company, incor-

The Kyune quarries are located quarries. The Logan river will furnish twelve miles east of Colton, Utah. The power and means of transportation. rock obtained is a gray stone, neat in The mill at the quarry will saw the appearance and affected only slightly crude material into blocks. Another by prolonged exposure. These qualities mill will be built near Logan where the combined make the rock valuable in polishing and finishing will be done. It the construction of public buildings, is claimed that this marble is the equal Some of Salt Lake's largest and most of any produced in the world, Vermont imposing structures have been built of and Italy not excepted. The readiness this stone. Among these are the city and stally not excepted. The readiness that to do with this also. Man with which it takes a fine polish will the quarries are inaccessible in place the rock in demand by contractors home and the new federal tors for inside work in fine homes or building.

Where Fine Marble Is Found.

well adapted to use in retaining walls, sills, etc., where reliability and durability are needed. This stone was used in the First Presbyterian church on South Temple street.

The process of unusual value is its durability. It does not crack or lose lustre with exposure. The beds have not been development, the company almake it sought after by builders. The veloped to any extent, but during the new year mills will be built near the new year mills will be built near the rock.

public buildings. Brown Stone From Mt. Nebo.

The Wasatch Marble company owns quarries between the head of Snake described, Utah has quarries yielding for any building or construction purceek and Big Cottonwood canyon. The a brown stone and also an almost pure marble being mired on demand.

Two quarries, located near Park
City and near the tracks of the Denver
& Rio Grande, are the Euclid, yielding a stone in great demand by contractors for foundation work, and the Metropolitan. From the latter is taken a politan.

Two quarries, located near Park
City and near the tracks of the Denver
& Rio Grande, are the Euclid, yielding a stone in the Mt. Nebo

To supply the demand of the smelters are operated the year of the same company has furnished as crucibles, muffles, fire brick, such as crucibles, muffles, fire brick, stone front' carries more suggestion of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's in the building of the Sait Lake temple to the same company's

formed through water action ages ago.

Why Work Is Done In Summer.

much to do with this also. Many of by the cement plant. winter months and the stone is liable to crack with the frost when work is prosecuted in the coldest weather.

It can be seen that rock taken from the quarries during the winter in such

THE W. M. RASH CO.

The W. M. Rash Co., incorporated in

The colite quarries are situated near Ephraim. This rock is a beautiful white stone, supposed to have been white stone, supposed to have been formed through water action ages ago. unusual activity in building circles during the past year all quarries have been drawn upon heavily. The list following covers but a few of the many quarries, but will serve to show the great variety of material mined.

The Gorgoza quarries, located south of Park City, yield a hard red stone well adapted to use in retaining walls, stills, etc., where reliability and duranewed development, the company al-

pany, with a capacity of 2,000 tons per month, operates its own quarries. As a rule the quarries of Utah are These are located in Parley's canyon operated during the summer months and near the Rio Grande railroad, Fifonly when building is at its height- teen men are employed at these quarwhen the demand for building stone is greatest. Climatic conditions have immense tonnage of raw material used

Extent of Cement Industry. This leads to a brief glimpse of the manufacture of cement, an industry in ment to Montana, Nevada Colorado, Washington and Idaho. Thirty thou-

that will keep the cement plants going ed to make the articles worthy of use. at full capacity for some months. Thirthey can be just so brittle, they crack ty thousand barrels of cement will be and crumble when placed under the in-

plant is 350 barrels or seventy tons parts in the manufacture of these supper day. As the present demand is far plies. The first requisite is the clay in excess of this supply, the capacity itself. It must contain no grit or forof the plant is to be doubled within a short time. This will raise the output of a desired surface, it must not confrom the one plant mentioned to 51,100 tain too great a perce; age of fusible from the one plant mentioned to or, to tons annually. These figures show to what extent the industry is carried in short, it must be "just right."

The other requisite is an exactness under which the clay

Brick by the Billion.

The clay deposits in Utah are found

of common clay used in the manufacture of ordinary building brick is in-exhaustible. This clay exists in every which Utah stands foremost of the portion of the state in different quanwestern states. Utah furnishes ce- titles. During the year just ended there was an approximate total of 41,000,000 quarries between the head of Snake creek and Big Cottonwood canyon. The marble is a solid, seamless rock, which, when prepared for use, is any obtained anywhere. As the deposits are covered with common softs soil to a depth of the feet only, quarries. The feet only, quarries between the head of Snake creek and Big Cottonwood canyon. The danger of called the Mt. Nebo, hence are located in the government as any obtained anywhere. As the deposits are covered with common softs are covered with common softs and brown stone and also an almost pure shade of the demand for raw mather excellent quanty is aboven stone of the rock, called onlite. The largest of this city the demand for raw mather excellent quanty is any building or construction purposes whatever. The quarries being located in the street and possess. Another excellent quanty is any building or construction purposes whatever. The quarries being do common building brick manufactured. To supply the demand for raw mather excellent quanty is any building or construction purposes whatever. The quarries being do common building brick manufactured. To supply the demand for raw mather excellent quanty is any building or construction purposes whatever. The quarries being do the street and possess. When laid on the street any boses whatever. The quarries being qualities found in no other the surfact or the great part is a provided in the street and possess. Another excellent quanty is and barrels of cement made in the great part is any building or construction purposes whatever. The quarries being do the street any building or construction purposes whatever. The quarries being do the street any building or construction purposes whatever. The quarries being do the street any building or construction purposes whatever. The quarries being do the street any building or construction purposes whatever. The quarries portant and the street any building is any building or construction. The demand for raw mather any building or construction and the street any building is any b ommon building brick manufactured. soil to a depth of ten feet only, quarrying is easy and inexpensive. The quarries are not developed constantly, the
marble being mired on demand.
Two quarries, located near Park
City and near the tracks of the Denver
City and near the tracks of the Prock lie but a so the rock lie but a so the tracks of the Denver the Hall the Cotton and the point by the Utah below the surface. Or the rock lie but a soil track. The denver the rock lie but is not known generally that Utah the tendency of the rock lie but as the tracks of the Prock lie but as the tendency of the rock lie but as the the Mt. Nebo of the rock lie but is not known generally that Utah the clay needs for reservoir at Pocato the Red Butte canyon quarries
The tendency of the rock lie but is not known generally that Utah
the manufacture of assay supplies are installed in the codes very little content of the mult. Nebo do the west of the rock lie but is not with the mult in the te

within no particular boundaries and it must be pressed or moulded to a cerare of no special variety. The supply baked to a certain hardness. It happens that a plant operates in this city filling each of these requirements, not to mention many others. The natural made elsewhere and possessing wear-

Fire brick of all shapes are made. These equal the St. Louis brick in wearing qualities and surpass them in eatness and general appearance. Six kilns have been built and put into commission within the last year. The used in the erection of the new smelters at Garfield; 15.000 barrels will be
used in the new water conduit to be
used in the new water conduit to be
built in Parley's canyon.

The present capacity of the Portland
The present capaci mined at the quarries can with slight preparation be used in the manufacture of almost every article known to clay workers. A building brick is made that surpasses anything yet offered to the builder. It is a fireclay brick almost indestructible. These can be given any matter or a solidity cannot be attained; shade of brown desind by the builder. The Masonic temple in the course of erection on First South will have an in the process under which the clay must be treated and pressed and baked. It must be "mixed" to a certain point, brick of this kind in a public building brick of this kind in a public building

Even Vitrifled Paving Brick.

Another specialty made at the same works in the line of brick is a paving brick. Tests have been made on sample result is excellent products, having bricks of this kind which prove that a smoother finish than the articles they will outwear two ordinary paving stones. Another excellent quality is

Utah's Hydro-Carbon Field

Utah's resources—pure gilsonite. The Dragon. One will run to Fort Duchesne, where the company owns other gilsonite properties, and where it used to operate, and the other to Vernal. The present length of the road—from Mack to Dragon—is fifty-two miles.

The gilsonite fields begin at a point.

The gilsonite fields begin at a point. supply, to all appearances, is inex- chesne, where the company owns other

was the reservation for a distance of beyond, and in this way the road has seventy-five miles, clear across the served purposes other than getting the gilsonite product to market. Colorado boundary. In area they are about seventy-five miles long, east and west, and about forty miles wide, north Fort Duchesne, and the product was

and south. The gilsonite fields, or at least nearly all the valuable gilsonite claims, are railroad will ultimately be absorbed by owned by the "asphalt trust." The the Rio Grande system, with which it St. Louis Gilsonite company and the Gilson Asphaltum company, both of which are subsidiary corporations of the "asphalt trust," are operating in Utah, and one of their main objects, up to date, has been to limit the supply of gilsonite and asphaltum so as not to over-supply the market and thus force claims on the reservation, but it was

down the price. Uses of Gilsonite.

roofing materials, etc. It can also be utilized in the manufacture of rubber goods. Ordinary rubber goods, it is maintained, can contain about 40 per cent of gilsonite. Much Utah gilsonite has been marketed in Europe.

The Utah gilsonite is pure when mined; it requires no treatment after being taken from the vein before it is used for manufacturing purposes. The is, therefore, to supply only what the market requires and no more. Nowhere else in the world is it found in pure It is a soluble bitumin, dissolving readily in benzine.
The supply of the adjacent asphalt

held down by the trust because in the eastern oil fields asphalt is manuthe eastern oil fields asphalt is manu-factured as a by-product and can be factured as a by-product and can be the holdings of the Deer Trail Gold purchased much cheaper than the Utah potatoes. A full line of fresh fish is always carried in stock, also smoked many thousands of dollars for poultry product can be shipped east to the Mining & Milling company. It is a fish in season, great markets. This supply of eastern mile and a half east of the gold profit. asphalt is almost unlimited, too, and, asphalt is almost unlimited, too, and, producing Century mine and consists oysters known as the "Sealshipt Oys-

large veins are the Little Bonanza, the supply any call from the mine, and Cowboy, the Big Bonanza and the ample water for milling purposes. Black Dragon. The St. Louis Gilsonite company, already referred to, is reporting on this property, says: working the Black Dragon vein at "It covers the only exposed point of

one point where the vein is exposed—east to southwest and on which a in White River cut—it is seen to be number of the important mines of the 3,000 feet deep. This particular vein district are located, including the Cenaverages twelve feet in width, is about tury mine." eighteen miles in length and is so perfectly formed that it is possible to drive a buckboard along the top of it. It is the belief of experts that all the big veins are from 3.000 to \$0.000 feet deep They are perfectly visible to the naked

eye.
There are thirty-eight varieties of hydro-carbon products to be found in two cross fissures from four to six feet the Uintah basin and adjacent terri- in width have been cut. The vein mattory, ranging all the way from pure ter in these fissures is mineralized, begilsonite to varieties that are valueless products.

Other Asphalt Fields.

Sand asphaltum, bituminous lime-stor and other hydrocarbon products are to be found in great quantities in Spanish Fork canyon in Utah county, in Tie Fork, Indian Fork and other adjacent localities. The city of Salt Lake owns a group of asphalt claims near Thistle in the same vicinity, and the product of this group has been used in paving several Salt Lake streets. Near Vernal, in eastern Utah, are

large deposits of a splendid sand asphalt, of the very best quality for street paving. This asphalt is very heavily impregnated. The deposits lie about ten miles southwest of Vernal, in the big fissure will be pushed where greater feath larger belief and better values will be obtained. The of cers of the company reside in Salt Lake Tity and are the principal and original owners of the proposition. the hills which form the rim of the and original owners of the property, Ashley valley.

Railroad Building In.

tions at present. As the necessity for intendent of the mine.

The hydro-carbon fields of the Uintah extending the company's operations basin contain one of the greatest of build two branches of this road from Utah's resources—pure gilsonite. The Dragon. One will run to Fort Ducreased from one which originally sup-

Prior to the building of the road the gilsonite operations were principally at taken out overland to Price, a distance of 100 miles. In all probability the The the Rio Grande system, with which it

How the Trust Got Control.

not open, and of course they could neither work the claims nor secure patents.

Gilsonite is utilized mainly in the When the reservation was opened congress specifically closed the asphalt and gilsonite fields to mineral entry Then the trust purchased from the miners a quit-claim to their right of discovery, and secured the passage of legislation opening to entry every alternate section of the asphalt fields and validating the discovery rights to which they had purchased quit-claims.

Deer Trail Development

In the promising gold camp of Park mile and a half east of the gold profitthe west, the trust will naturally limit of eight claims with an area of about the local output.

Are Perfect Fissure Veins.

Of eight claims with an area of about ters," they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the southters, they being the only sanitary oysters known as the season of the season of the southters. has a grade of about 30 degrees from The gilsonite in the Uintah basin the horizontal, a condition favoring runs in the most perfect fissure veins known to the mining world. The four abundance of pine timber, sufficient to

a well-known mining engineer, in Dragon, the present terminus of the contact between the quartzite and Uintah railway. The gilsonite lies in perpendicular feet of the great quartz fissure which veins between solid walls of rock. At cuts the quartzite dyke from north-

> The development so far accomplished consists chieff of about 800 feet of the report, and to reach which 600 feet more of work will be required. As the development has progressed

> ing a white quartz with iron stain, silver and gold, varying from 24 to 60 per cent lead, eighteen to forty-five ounces in silver and from \$4 to \$8 per ton in gold.

About ten tons of this ore are now or the dump. Tests have been made by mill men and the ore responds readby mill men and the ore responds read-ily to concentration processes. In one fissure the tunnel encountered the ore fissure the tunnel encountered the ore cropping, and the work of sinking winzes in both places was stopped by water. A deeper tunnel will drain this territory, but for the present work for the big fissure will be pushed where

which indicates - stable management and their confidence in the merits of the proposition. They are: Henry in the business that the energetic dewhich indicates - stable management The St. Louis Gilsonite company has the proposition. They are: Henry in the business that the energetic decasy matter to get men and supplied velopment of the mines will make for into the country and a boom will folbuilt the Uintah railway from Mack, a president; Charles H. Hipp, secretary the railroad company. station on the Rio Grande Western, and treasurer, and E. D. Woodruff, B. across the Colorado line to Dragon, H. Hunt, Adam Snyder and Joseph Ulah, the scene of its principal opera-Hause, directors. Mr. Hunt is super-

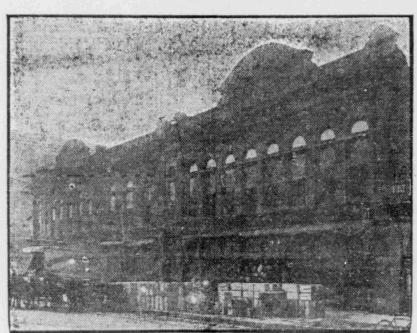
The prices obtained by poultry raisers who have shipped to this firm for many March, 1903, is the successor to the years have been uniformly higher than business of The Hanson Produce Co., any other of the nearby markets. organized in 1889; thus being the oldest Among the departments not men-tioned heretofore is the large cold stor-

limited number of years.

The gilsonite fields begin at a point about three miles west of the west line about three miles west of the secondary and of course, is to give the company an outlet for its product; but lines of authors and the present to be a consist of the secondary of the secondary and the present to be a consist of the secondary and the constant the present to be a consist of the secondary and the constant the present to be a consist of the secondary and the constant vation, and extend easterly over what terminus of the road with the country branches and departments consist of each room being so regulated that a

age plant situated in the main building, this firm being among the first to install a cold storage plant in Utah, and in fact are the only fruit and produce dealers between Chicago and San Francisco who operate a cold storage

This is a record that speaks for itself.



bananas, cocoanuts and cranberries are carried in season. In vegetables the poultry, butter, eggs, cheese, etc. By principal articles are California cab-means of this plant The W. M. Rash

to the western public the now popular been lost. the dangers incident to the consumption of oysters packed and shipped in the old style packages. This is the only firm in Salt Lake City using this carrier, having been fortunate enough to secure the exclusive right to its use. The result has shown that the public appreciates a good thing by the largely increased sales of the Sealshipt oyster packed only in "Yacht Brand" cans. Many orders come in for "this During the summer season this house

ruits and vegetables, fish and oysters, different temperature can be mainpoultry and eggs. They also supply tained ranging from below zero to as the demand for egg case material. In high a point as may be desirable, this the fresh fruit department a full line being the best equipped house in the of oranges, lemons, apples, pears, intermountain country for the proper handling of fresh and dried fruits, fish, during a time when markets This firm was the first to introduce overstocked that would otherwise have

brand and no other." The Sealshipt handled some fifteen carloads of meloysters have been adopted exclusively ons. This branch, under the efficient by several of the railway dining car management of Daniel O'Meara, has demonstrated the possibilities of Poca-The poultry department has handled tello as a distributing point.

Deep Creek

eral riches of the Deep Creek country, about, and for nearly that length of however, individuals and com time the claim has been persistently have been compelled to rely The building of the Western Pacific, portion of the relief they have been they had so long strained their eyes to seeking, during the coming six months or so. Grading has so far progressed that the belief exists that rails will be be compelled to suffer as they have previously done in spanning the 120 pectors hurried into the country and miles of waterless waste to reach the the reports which now come from El Dorado beyond.

this country will be comparatively and go prospecting on their own access, and there is little doubt that counts. This condition will likely pre-

Difficulties of the Past.

operators were averse to tying up their money in a country that offered such little promise of getting transportation facilities that would insure returns upon the investments made. A few bolder spirits were willing to take the chance and as a result a number of properties have been under systematic bordering the boundary line between development for several years, and Utah and Nevada, have been talked with substantial results. In the main, however, individuals and companies for any purpose whatever, but which have the appearance in large measure of the more valuable hydro-carbon products.

Characteristic of the gold-bearing ores made that, with railroad connection, it whatever resources they had at hand would attain a prominence equal to any other mining section in the west.

The building of the characteristic of the gold-bearing ores whatever, but which characteristic of the gold-bearing ores of the tregion. Samples from these any other mining section in the west. distance between them and the marnow progressing, promises to give the kets of the world had been spanned by miners of that rich country at least a the strips of glistening steel which

Railroad News Starts Things.

When the positive announcement came a few months ago that the road there are to the effect that at no time Owing to the northerly course of the route selected by the road, most of the mineral region will lie to the south of the line all the way from fifteen to seventy miles or more, but to traverse was earned they were apt to pick up the country will be comparatively and so prespecting on their own seconds.

No less an authority than Captain Duncan MacVichie, general manager of Heretofore it has been hard work to the Bingham Consolidated company's interest capital in the country. Big properties, unhesitatingly declares that

during the past year more than half the Deep Creek country is going to get the money that is necessary to grass roots down and big dividends of the total amount raised in Utah. surprise the world with its wealth of carry through the plans of develop- have been paid. In the same district surprise the world with its wealth of carry through the plans of develop- have been paid. In the same district mineral. He is one of the few who has ment that have been pushed as cir- is the Galena mine, the Gold Hill, now been for several years backing his cumstances would allow.

manner during the next year or two. Some of the Nervy Operators.

J. P. Gardner, the local business man and mining operator, has also been to the Trout Creek region on the south, pouring money into the country for a long time past and, while he has chafed at the delay in seeing the region conthe west and reaching over the line splendid properties of the Sheba comnected by rail, he has never for a moment thought of abandoning his interests out there. Another man who and the new life that the building of ble of getting across the country, has has been hanging on to the country for many years and developing his properties with as much vigor as pos- exploding giant powder will soon be now being operated under lease. sible, is M. R. Evans. He is as san-guine of the future as anypody and he now realizes that the long-promised re-the wonderful riches of which have is not the slightest question, any more, lief will soon be at hand. He has different properties that, were they located many years. in near-by camps, would be command- In the Clifton district the phenome- There is lots of room on "the ground ing all kinds of attention at the hands nal Utah mine has been operated for floor" now, but it will be scarce a year of capitalists. He will soon be able to many years. It has paid from the hence

are in a similar position.

Country is Extensive and Rich.

From Dutch Mountain on the north

being brought to the front by Duncan judgment with his money. He and his close associates own several groups of claims, and some of them are already practically converted into mines, mines the manufactures of the possible to begin marketing ore when railroad facilities are the Wilson brothers, have incorporated and operated with moneys that have Brig H. Young and his associates MacVichie, and the properties of the that will be heard from in no uncertain provided and dozens of other operators and operated with moneys that have been secured largely in the east. In the same district Wilbur F. Babcock has also interested eastern money and he has done the same thing in the Trout Creek country to the south and

WALKER'S STORE

A LIST OF MIGHTY GOOD MONEY-SAVERS FOR TUESDAY

And the Rest of the Week

\$8.00 Walking Skirts for \$4.95

These are pleated and gored; fashioned from Panama, Broadcloth and Worsted; very stylish

\$22.50 Street Coat for \$11.25

This assortment comprises all wool farey mixtures and plain materials; Empire, loose and semi-fitted styles. They range in value from \$12.50 to \$22.50, and will be sold at exactly half these prices.

Children's Coats at Half Regular Prices

The entire line of children's coats is included in this offer. The sizes run from 2 to 14 years, and the values are from the least expensive up to the higher priced garments.

200 Dresses for Girls at Half Regular Prices

These are in sizes 8, 10, 12 and years years. Regular prices are from \$4.00 to \$18.000. The shades and materials are all the latest favorites.

Boys' Overcoats at One-Third Less

Fancy mixtures and plain blue and brown in the double-breasted style, with full back and belt. Sizes run from 21/2 to 7 years.

75c Lithographed Pillow Tops to Close at 42c

A fine assortment of subjects. Very handsome and durable for porch or cozy corner.

Glove, Tie and Handkerchief Baskets at Half Regular

These are made of Japanese straw and have silk hand embroidered covers. Very dainty and effective. Art section.

\$1.00 Outing Flannel Night Gowns at 69c each

Very well made and full fashioned. Made of the best outing flannel, trimmed with braid. Undermuslin section.

Children's Fine Guage Black Cotton Hose, worth 75c pair, 50c

These are 7 by 2 ribbed, French made, and in all sizes.

Women's ribbed wool hose, worth 75c pair-50c.

Women's grey wool vests in Swiss ribbed, and worth \$1.50 each-\$1.00.